

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
455 12TH STREET, S.W.
WASHINGTON, D.C. 20554

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Report No. 488 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 1/1/17 to 1/31/17:

- **AXION APPLIED TECHNOLOGY WI2XQY 0186-EX-CN-2016**
New experimental to operate on 9 GHz for Radar testing
Mobile: Bristow, VA
- **BATTELLE MEMORIAL INSTITUTE WI2XQS 0281-EX-CN-2016**
New experimental to operate in 902.00 - 928.00 MHz for testing UAS.
Fixed & Mobile: Pendleton (Umatilla), OR
- **BOEING COMPANY, THE WI2XPM 0207-EX-CN-2016**
New experimental to operate in 2400.00 - 2482.00 MHz to support temporary integration testing.
Fixed & Mobile: Waters West of Kona coast near Kawaihae Harbor, Kawaihae, HI; Sunnyvale, CA
- **BOEING COMPANY, THE WI2XRW 0294-EX-CN-2016**
New experimental to operate in 2360.00 - 2395.00 and 4400.00 - 4940.00 MHz to test L-3S Vortex and Air Net Rover Terminals.
Mobile: Boeing Bldg 73-60A King Air Tarmac, Berkeley, MO; Union Walmart Parking Lot, Union, MO; Fort Leonard Wood Area, Saint Robert, MO; Jefferson City Area, Jefferson City, MO; Vandalia Area, Vandalia, IL; Taum Sauk Mountain area, Ironton, MO; St. Charles County Smartt Airport area, Portage Des Sioux, MO; 2600 N Highway 94 area, St. Charles, MO
- **CLEAN WIRELESS AUDIO LLC WI2XSK 0272-EX-CN-2016**
New experimental to operate in 470.00 - 698.00 MHz to test and development of equipment for broadcast related purposes using selected channels.
Mobile: Throughout the US

- **GENERAL DYNAMICS WI2XQE 0267-EX-CN-2016**
New experimental to operate on 1575.42 MHz using GPS re-radiator for test support on the Low Rate Initial Production (LRIP) ManPack Radio Sustainment Program.
Fixed: Scottsdale (Maricopa), AZ
- **HOLLINGSWORTH, ERNEST WI2XQU 0293-EX-CN-2016**
New experimental to operate in 465-485 kHz for antenna and transmitter design and testing.
Fixed: Flat Rock (Henderson), NC
- **INSITU WI2XQM 0283-EX-CN-2016**
New experimental to operate on select frequencies between 138.00 and 479.50 MHz to test antenna and equipment.
Fixed & Mobile: Boardman, OR; Birgan, WA
- **JAMES R KNIGHTON WI2XRM 0305-EX-CN-2016**
New experimental to operate in 465.00 - 478.00 kHz for radio propagation testing.
Fixed: Melbourne (Brevard), FL
- **KONGSBERG UNDERWATER TECHNOLOGY, INC. WI2XQG 0275-EX-CN-2016**
New experimental to operate in 5852.00 - 5872.00 MHz to test and demonstrate maritime broadband radio.
Mobile: Coastal Waters Offshore Pensacola, Florida
- **LEIDOS INC WI2XOX 0120-EX-CN-2016**
New experimental to operate in 420.00 - 470.00, 1710.00 - 1850.00, 2200.00 - 2300.00, 2400.00 - 2483.00, 4400.00 - 4940.00, 5250.00 - 5850.00 MHz and 14.50 - 14.83 and 15.00 - 15.35 GHz to test VORTEX system.
Mobile: Bridgewater VA
- **LEIDOS WI2XOY 0163-EX-CN-2016**
New experimental to operate in 4400.00 - 4622.00 MHz for equipment testing.
Mobile: Bridgewater, VA
- **LIQUID ROBOTICS INC. WI2XRL 0307-EX-CN-2016**
New experimental to operate on 161 MHz to test equipment
Fixed: Kamuela, HI; Sunnyvale (Santa Clara), CA
- **LIQUID ROBOTICS INC. WI2XRO 0310-EX-CN-2016**
New experimental to operate Testing radionavigation satellite service (RNSS) equipment.
Fixed: Sunnyvale (Santa Clara), CA
- **LOCKHEED MARTIN CORPORATION WI2XOZ 0003-EX-CN-2016**
New experimental to operate on 1090.00 MHz to support various communication systems in KAI T-50 aircraft.
Mobile: Donaldson Airfield, SC
- **LOCKHEED MARTIN CORPORATION WI2XQF 0191-EX-CN-2016**
New experimental to operate in bands between 69.00 and 2500.00 MHz to test equipment.
Fixed: Aztec (Yuma), AZ

- **LOCKHEED MARTIN CORPORATION WI2XRV 0331-EX-CN-2016**
New experimental to operate on 9250.00 MHz to test
Fixed: Hanover (Anne Arundel), MD
- **MICHAEL J. POLIA WI2XRE 0277-EX-CN-2016**
New experimental to operate in 472-478 kHz for antenna testing kHz.
Fixed: Hudson (Middlesex), MA
- **NIIVATECH WI2XRZ 0204-EX-CN-2016**
New experimental to operate on 16 GHz radar to study snow for avalanche detection.
Fixed: Alta (Salt Lake), UT
- **NORTHROP GRUMMAN SYSTEMS CORPORATION WI2XQN 0289-EX-CN-2016**
New experimental to operate on 83.5 GHz to test a transceiver for potential backbone use.
Fixed: Los Angeles, Redondo Beach and Newhall (Los Angeles), CA
- **NORTHROP GRUMMAN SYSTEMS CORPORATION WI2XRD 0255-EX-CN-2016**
New experimental to operate on 904.5 MHz, 907 MHz and 909.5 MHz for the purpose of testing improvements to Tactical Operations Center capabilities.
Mobile: Madison, AL
- **NORTHROP GRUMMAN SYSTEMS CORPORATION WI2XQW 0169-EX-CN-2016**
New experimental to operate on 1380 MHz for development and testing of a small mobile robotic system under U.S. Navy contract.
Mobile: Clinton, TN
- **OKLAHOMA STATE UNIVERSITY-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC WI2XRG 0326-EX-CN-2016**
New experimental to operate on 495.25 MHz, 645.25 MHz and 687.25 MHz to conduct range testing for Navy contract
Fixed & Mobile: Within 3km of the Chilocco Indian School campus, Chilocco (Kay), OK
- **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC WI2XRI 0328-EX-CN-2016**
New experimental to operate on 540.00 and 830.00 kHz to test range operations for military.
Fixed & Mobile: Operate within the Chilocco campus perimeter, Chilocco (Kay), OK
- **RAJANT CORPORATION WI2XRP 0173-EX-CN-2016**
New experimental to operate in 3650.00 - 3700.00 MHz to test equipment.
Fixed & Mobile: Los Angeles (Los Angeles), CA; East Rutherford, NJ; Arlington (Tarrant), TX; Landover, MD; Miami Gardens (Dade), FL; Green Bay (Brown), WI; Kansas City (Jackson), MO; Denver (Denver), CO; Orchard Park (Erie), NY; New Orleans (Orleans), LA; Houston (Harris), TX; Atlanta (Fulton), GA; Foxborough (Norfolk), MA; Cleveland (Cuyahoga), OH; Jacksonville (Duval), FL; Seattle (King), WA; St. Louis, MO; Cincinnati (Hamilton), OH; Detroit (Wayne), MI; Minneapolis (Hennepin), MN; Glendale (Maricopa), AZ; Indianapolis (Marion), IN; Chicago (Cook), IL; Charlotte (Mecklenburg), NC; Baltimore, D; San Diego (San Diego), CA; Santa Clara (Santa Clara), CA; Nashville (Davidson), TN; Philadelphia (Philadelphia), PA; Tampa (Hillsborough), FL; Pittsburgh (Allegheny), PA; Oakland (Alameda), CA; Honolulu (Honolulu), HI

- **RUTGERS UNIVERSITY INSTITUTE OF MARINE AND COASTAL SCIENCES**
WI2XQJ 0099-EX-CN-2016
 New experimental to operate in 4438.00 - 16200.00 kHz for integrated ocean observing system (IOOS).
 Fixed & Mobile: Throughout states of NY, NJ, DE, MA and RI
- **SCRIPPS INSTITUTION OF OCEANOGRAPHY WI2XRF 0208-EX-CN-2016**
 New experimental to operate on 162 MHz for collection of wave and climatological data.
 Fixed: Pacific Ocean
- **SES AMERICOM, INC. WI2XNZ 0034-EX-CN-2016**
 New experimental to operate in 27.6-28.4 GHz and 28.6-29.1 GHz to test antennas and to evaluate their capabilities to support US Government requirements.
 Fixed: Within the Contiguous United States
- **VIASAT, INC. WI2XPV 0223-EX-CN-2016**
 New experimental to operate in 18000.00 - 21200.00 and 25500.00 - 26500.00 MHz for testing Antennas.
 Fixed: Duluth (Gwinnett), GA
- **VIASAT, INC. WI2XPW 0237-EX-CN-2016**
 New experimental to operate in 26500.00 - 27000.00 MHz and 37500.00 - 40500.00 MHz for testing antennas.
 Fixed: Duluth (Gwinnett), GA